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2 A disposable diaper is composed of a liquid-permeable <sup>air</sup> topsheet, a liquid-impermeable backsheet and a liquid-absorbent core. The core is formed with grooves each depressed in a direction from the side of a topsheet toward the side of a backsheet. The core contains water-absorbent fibers and superabsorbent polymer particles. These fibers and particles are disposed between portions of the topsheet covering bottoms and side walls of the grooves, and portions of the backsheet respectively opposed to the corresponding portions of the topsheet.